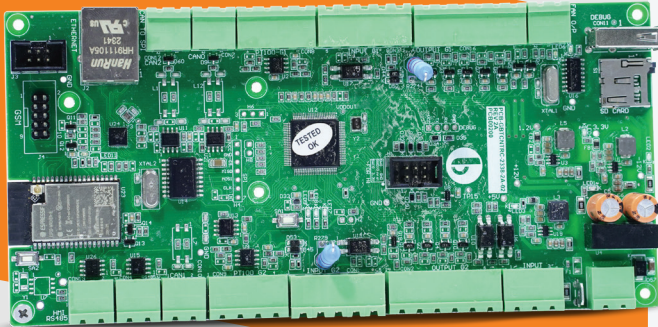




BHARAT DC001 MASTER CONTROLLER



FEATURES

- ◆ Up to 20 kW Output Capacity.
- ◆ Configurable for Single Gun / Dual Gun (GB/T 20234).
- ◆ Supports Fully Customisable Displays (Modbus RTU).
- ◆ RFID Authentication & LED Indicators.
- ◆ Compatible with E-Control Gun Locking System.

APPLICATIONS



EV three Wheeler

TECHNICAL SPECIFICATIONS

Input power

Supply Voltage	415 VAC \pm 10% (3P+PE +N)
Input Frequency	50Hz and 60Hz
Input Voltage	12V DC @2A

Output Power

Total Output	Up to 20 kW
Output Voltage	200 V DC @ 100 A
Supported Gun	Single Gun / Dual Gun
Supported Connector	GB/T 20234

Communication

Protocol	OCCP 1.6j
Standards	BEVC-DC001 & GB/T 20234.3-2015
Network Connection	Ethernet 10/100 LTE (4G fallback to 2G) WiFi - 802.11 b/g/n (802.11n up to 150 Mbps)

Interfaces

Power Module Interface	CAN 2.0
Charger and Vehicle communication	CAN 2.0
Power Measurement	RS-485 (Modbus RTU Master)
HMI Interface	RS-485 (Modbus RTU Slave)
Add on	RS-485 (AC Meter, LED & RFID)
Digital Input	4 Nos. (12V Logic)
Digital Output	6 Nos. (Open Collector) per Connector
Temperature Input	4 Nos. RTD
RFID	MF RC522, 13.52 MHz

Add on

Off Board support	LED Module, RFID Module, Solenoid Lock Module & HMI Display
Memory	Micro SD Card Supports up to 32 GB
Vehicle Lock	Capable of engaging the solenoid lock mechanism
Software Support	Firmware Over-The-Air (FOTA)

Mechanical

Operating Temperature	-10°C to 70°C
Storage Temperature	-10°C to 70°C
Humidity	5% to 95%
Dimension (LxBxH)	210 × 120 × 59 mm
Weight	100 g

